

**IN THE CLAIMS:**

**Please amend the claims as follows:**

Claim 1. (withdrawn) A method of adding a device to an automation or multimedia network, said method comprising the steps of:

5           binding said device as a first device to be bound when said device is the first device to be installed in said network;

          binding said device as an additional device to be bound when said device is not the first device to be installed in said network; and

10           binding said device as an existing device to be bound when said device was previously installed in said network.

Claim 2. (currently amended) A method of installing and binding a device previously wired into an automation or multimedia network when said device is the first device to be installed in said network, said method comprising the steps of:

          placing said device in a first-device installation mode of operation;

15           transmitting a command to the device confirming that the device is in the installation mode of operation;

~~assigning to~~ selecting by said device a domain ID having an associated length; ~~and which is not in~~

20           transmitting said domain ID selected by said device to determine that it is not in use by any other device on said network;

~~assigning to~~ selecting by said device a subnet number and a device ID number; and

          generating an indication to indicate that the installation of said device onto said network is complete.

Claim 3. (currently amended) The method according to claim 2, wherein said step of  
25   placing said device in a first device installation mode of operation comprises pressing ~~an~~ and  
          holding a push button switch on said device.

Claim 4. (original) The method according to claim 2, wherein said step of placing said device in a first-device installation mode of operation comprises receiving a command from a local management tool connected directly to said device.

5 Claim 5. (original) The method according to claim 2, wherein said step of placing said device is a first-device installation mode of operation comprises receiving a command from a remote management tool connected remotely over said network.

Claim 6. (original) The method according to claim 2, wherein said step of placing said device in a first-device installation mode of operation comprises setting a visual or audible indication confirming that said device is in said installation mode of operation.

10 Claim 7. (original) The method according to claim 2, further comprising the step of generating an error indication if said device was previously installed.

Claim 8. (currently amended) The method according to claim 2, wherein said step of assigning to said device a domain ID comprises the steps of:

querying said network using said assigned domain ID;

15 listening for a response to said query; and

~~assigning~~ selecting by the device a new domain ID different than the ~~original first~~ domain ID selected by the device in the event a response is received within a predetermined time period.

Claim 9. (currently amended) The method according to claim 2, wherein said step of assigning to said device a domain ID comprises the steps of:

20 querying said network using said ~~assigned~~ domain ID selected by said device;

listening for a response to said query;

~~assigning~~ selecting a new domain ID by the device that is different than the ~~original first~~ selected domain ID in the event a response is received within a predetermined time period; and

25 querying said network using said ~~assigned~~ selected domain ID at least on additional two times in the event a response is not received within a predetermined time period.

Claim 10. (withdrawn) A method of installing and binding a new device previously wired into an automation or multimedia network when said device is other than the first device installed in said network, said method comprising the steps of:

placing said device in an additional-device installation mode of operation;

5 placing address information of a previously installed and bound device onto said network;

receiving said address information by said new device to be installed and updating its domain and subnet address information in accordance therewith;

assigning a device ID number to said new device;

10 generating an indication to indicate that the installation of said new device onto said network is complete;

installing and binding zero or more additional new devices to said new device; and

installing and binding zero or more existing devices to said new device.

Claim 11. (withdrawn) The method according to claim 10, wherein said step of placing  
15 said device in an additional-device installation mode of operation comprises pressing an holding a pushbutton switch on said new device.

Claim 12. (withdrawn) The method according to claim 10, wherein said step of placing said device in an additional-device installation mode of operation comprises receiving a command from a local management tool connected directly to said new device.

20 Claim 13. (withdrawn) The method according to claim 10, wherein said step of placing said device in an additional-device installation mode of operation comprises receiving a command from a remote management tool connected remotely over said network.

Claim 14. (withdrawn) The method according to claim 10, wherein said step of placing  
25 said device in an additional-device installation mode of operation comprises setting a visual or audible indication confirming that said device is in said installation mode of operation.

Claim 15. (withdrawn) The method according to claim 10, further comprising the step of binding said new device if said new device was previously installed.

Claim 16. (withdrawn) The method according to claim 10, wherein said step of receiving said address information comprises the steps of:

5        waiting for reception of said address information sent from said previously installed and bound device; and

          generating an error indication in the event no response is received after expiration of a predetermined time period.

Claim 17. (withdrawn) The method according to claim 10, wherein said step of assigning  
10    a device ID number to said new device comprises the steps of:

          querying said network using said assigned device ID number;

          listening for a response to said query; and

          assigning a new device ID number different than the original device ID number in the event a response is received within a predetermined time period.

15        Claim 18. (currently amended) The method according to claim 2, wherein said step of assigning a device ID number to said new device comprises the step of:

          querying said network using said assigned device ID number selected by said device;

          listening for a response to said query;

20        ~~assigning~~ selecting by said device a new device ID number different than the ~~original~~ first  
selected device ID number in the event a response is received within a predetermined time period; and

          querying said network using said ~~assigned~~ last selected device ID number at least an additional two times in the event a response is not received within a predetermined time period.

Claim 19. (withdrawn) The method according to claim 10, wherein said step of installing  
25    and binding additional new devices comprises the steps of:

          placing said additional new device in an additional-device installation mode of operation;

placing address information of said new device onto said network;

receiving said address information sent by said new device by said additional new device to be installed;

5 updating domain and subnet address information in said additional new device in accordance with address information received from said new device;

assigning a device ID number to said additional new device; and

generating an indication associated with said additional new device to indicate that the installation of said additional new device onto said network is complete.

10 Claim 20. (withdrawn) The method according to claim 10, wherein said step of installing and binding an existing device comprises the steps of:

sending a message incorporating a first home profile from said existing device to said new device;

updating a second address table within said new device in accordance with said first home profile;

15 sending a message incorporating a second home profile message from said new device to said existing device;

updating a first address table within said existing device in accordance with said second home profile;

20 generating an indication associated with said existing device to indicate that the installation and binding of said existing device is complete.

Claim 21. (withdrawn) A method of binding a first existing device into an automation or multimedia network, said method comprising the steps of:

placing said first existing device in an existing-device mode of operation;

25 receiving at said first existing device a confirmation message generated by said second existing device;

sending a first message incorporating a first home profile from said first existing device to said second existing device;

updating a second address table within said second existing device in accordance with said first home profile;

sending a second message incorporating a second home profile message from said second existing device to said first existing device;

5 updating a first address table within said first existing device in accordance with said second home profile;

generating an indication associated with said first existing device to indicate that the installation and binding of said first existing device is complete.

10 Claim 22. (withdrawn) The method according to claim 21, wherein said step of placing said first existing device in an existing-device mode of operation comprises pressing an holding a pushbutton switch on said first existing device.

Claim 23. (withdrawn) The method according to claim 21, wherein said step of placing said first existing device in an existing-device mode of operation comprises receiving a command from a local management tool connected directly to said first existing device.

15 Claim 24. (withdrawn) The method according to claim 21, wherein said step of placing said first existing device in an existing-device mode of operation comprises receiving a command from a remote management tool connected remotely over said network.

20 Claim 25. (withdrawn) The method according to claim 21, wherein said step of placing said first existing device in an existing-device mode of operation comprises setting a visual or audible indication confirming that said first existing device is in said installation mode of operation.

Claim 26. (withdrawn) The method according to claim 21, wherein said step of receiving a confirmation message comprises the steps of:

25 waiting for reception of said confirmation message sent from said second existing device;  
and

generating an error indication in the event no response is received after expiration of a predetermined time period.

Claim 27. (withdrawn) A method of adding a CEBus compatible device to a CEBus network, said method comprising the steps of:

- 5       issuing a connect command to a context;
- determining whether said context is in identify house mode and indicating hunting if it is not;
- hailing for a house code and subsequently for an unused unit address; and
- indicating the occurrence of an error in the event a unique address is not found within a
- 10      predetermined time period.

Claim 28. (withdrawn) A method of adding a CEBus compatible device to a CEBus network, said method comprising the steps of:

- receiving a connect command by a provider;
- hailing so as to determine whether another provider on the same house code is already in
- 15      connecting mode;
- indicating with said context that no other provider on the same house code is already in connecting mode;
- indicating the occurrence of an error in the event another provider on the same house code is already in connecting mode;
- 20      entering connect mode by said context for a specified period of time; and
- answering connection hails to house code with unit address zero corresponding to said provider.

Claim 29. (withdrawn) A method of adding a CEBus compatible device to a CEBus network, said method comprising the steps of:

- 25      receiving a connect command by a listener;
- hailing so as to search for a provider in connecting mode;
- swapping connection packets between the context and the connecting provider;

indicating ready if the swap was successful; and

indicating the occurrence of an error in the event no provider is found, the connection is rejected or the swap was not successful.

Claim 30. (withdrawn) A method of adding a first provider and listener context to a

5 CEBus network, said method comprising the steps of:

issuing a first-in-home context;

issuing an identity house command;

issuing a connect command to said provider context and waiting for connecting  
indication;

10 issuing connect command to the listener context and waiting for a ready indication;

repeating said step of issuing connect command to a listener context for each additional  
listener;

issuing a stop command and indicating ready.

Claim 31. (withdrawn) A method of adding additional devices and adding additional

15 connections to a CEBus network, said method comprising the steps of:

issuing an identity house command;

issuing a connect command to provider context and waiting for connecting indication;

issuing connect command to the listener context and waiting for ready indication;

repeating said step of issuing connect command to a listener context for each additional

20 listener;

issuing a stop command to the new provider and to the device in identifying house mode.

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